WEEKLY CASE REPORT FOR EXTERNAL USE

Mon Feb 1 - Sun Feb 7, 2021

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KEY TAKEAWAYS

- According to the VDH Pandemic Metrics Dashboard, the Central Region is experiencing a high burden of cases, with a fluctuating trend and at a substantial activity level. As of February 8, the daily case incidence rate in Richmond was 38.5 cases per 100,000, a decrease from last week's rate of 47.0. Percent positivity for the locality is 7.9% and fluctuating. In Henrico, the daily case incidence rate is 43.5 cases per 100,000, a decrease from last week's rate of 52.6. Percent positivity for the locality is 9.5% and decreasing.
- Cases in Richmond appear to be decreasing. Compared to last week, based on VEDSS data by date cases have decreased, with a 7 day average of 39 daily new cases per 100,000 population, compared to last week's report of 47 per 100,000. In Henrico, cases also appear to be fluctuating. On Feb 8, VEDSS data showed 81 new cases per day, per 100,000, compared to 52.6 per 100,000 last week on Feb 1.
 - Regarding subgroups, females still bear a higher proportion of cases in both districts, both cumulatively and in the last 4 weeks. Regarding the proportion of cases by age group 20-29 year olds continue to be in the lead in both districts, both cumulatively and in the last 4 weeks. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico in the last 4 weeks the proportion of cases for which race/ethnicity is unreported surpases any other group (35.5%), followed by cases among White individuals (29.4%). Cumulatively, the proportion of cases is also highest among White individuals. The proportion of cases for which race/ethnicity is unreported continues to grow in both districts with 31.9% unreported in Richmond and 35.5% in Richmond based on data from the past month.
- VEDSS data suggest that **hospitalizations** among Richmond patients are declining overall, though hospitalizations have fluctuated since November and the data may be impacted by reporting lags. Hospitalizations among residents of Henrico also appear to be declining overall (see <u>VDH Dashboard</u> for additional trend data). Looking more broadly at the 11 hospitals that comprise the Richmond catchment area, data show plateaus in total hospitalizations, ICU hospitalizations. Ventilator use has fluctuated throughout the month of January. 10 out of 11 hospitals are operating at a normal clinical status. *Please note: hospitalizations by subgroup (sex, age, and race) will be reported on a monthly basis moving forward.*
- Deaths appear to be fluctuating in Richmond and plateauing in Henrico, after a decrease in January, though trends in the data are typically impacted by reporting lags. Additional death data is available on the <u>VHD Dashboard</u>. Please note: deaths by subgroup (sex, age, and race) will be reported on a monthly basis moving forward.
- Richmond and Henrico Health Districts are currently in Phase 1B of vaccination. Eligible people include healthcare workers, people living and working in long-term care facilities, police, school staff (K-12), childcare workers, and people over the age of 65. As of Feb 8, 2021, 127,742 doses have been administered in the region, which includes Richmond, Henrico, Chickhominy, and Chesterfield Health Districts. The majority of vaccine recipients in both districts have been female. In Richmond the majority of vaccines have been given to people 30-39 years old. In Henrico the majority of vaccines have been given to people 50-59, closely followed by 30-39 years olds, though these numbers represent counts, rather than rates. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of recipients' race/ethnicity is unreported.

1.0 COVID-19 SNAP SHOT

1.1 Confirmed cases, hospitalizations, fatalities, and probable cases by county

CASE STATUS	RICHMOND CITY HENRICO COUNTY		VIRGINIA
New cases this week (Feb 7)	613	1019	23185
All cases	13465	19623	530825
Confirmed cases	11260	14894	422723
Hospitalizations	621	771	21142
Deaths	122	325	5872
Probable cases	2205	4729	108102
Hospitalizations	18	23	1025
Deaths 20		28	946
Case rate per 100,000 5843.3		5931.7	6219

Weekly cases added are estimated as the difference between the cases recorded from the current and prior week Case Rate per 100,000=(confirmed+probable)/population count *100,000.

Population estimates for the case rate are the most recent as of July 1, 2019 from the <u>U.S Census Bureau QuickFacts</u>

1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON FEB 8, 2021

The data included in this section comes from VHASS and it includes data from the following hospitals: VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, VA Medical Center, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center.

	TOTAL IN USE FOR COVID-19	CURRENTLY AVAILABLE	
Confirmed Hospitalizations	346	222	
Pending Hospitalizations	46	233	
Confirmed - ICU	96	- 43	
Pending - ICU	*		
Confirmed - Ventilators	52	460	
Pending - Ventilators	*	460	

^{*}Counts <5 have been suppressed

Within these 11 hospitals that comprise the Richmond catchment area, there are currently 43 available adult ICU beds, and 460 available ventilators. Based on the VHASS hospital dashboard on February 8th, 2021, 10 out of the 11 hospitals are operating at normal clinical status. CJW Jonston Willis is operating at a full clinical status.**

2.0 COVID-19 TESTING ENCOUNTERS AND POSITIVITY

2.1 TESTING SUMMARY

Total tests by testing modality and the associated 7-day average in percent positivity are summarized in the table below. Data are from from the <u>VDH public dashboard</u> on February 8, 2021.

	RICHMOND CITY		HENRICO	O COUNTY
	Tests	Positivity	Tests	Positivity
PCR*	190,662	7.9%	274,273	9.5%
Antigen	26,788	9.9%	58,643	9.3%
Total (PCR, antigen, and antibody)	221,372	8.3%	341,000	9.4%

^{*}All testing metrics included in previous reports have been based on PCR tests

^{**}A clinical status of "normal" indicates that hospital clinical resources are operating within normal conditions. A clinical status of "full" indicates that hospital clinical resources are exceeded and acceptable care cannot be provided to additional patients. Diversion or Community surge response is required.

3.0 COVID-19 CASES

3.1 SUMMARY OF CASES

Cases

Cases in Richmond appear to be decreasing. Compared to last week, based on VEDSS data by date cases have decreased, with a 7 day average of 39 daily new cases per 100,000 population, compared to last week's report of 47 per 100,000. In Henrico, cases also appear to be fluctuating. On Feb 8, VEDSS data showed 81 new cases per day, per 100,000, compared to 52.6 per 100,000 last week on Feb 1.

Case Demographics

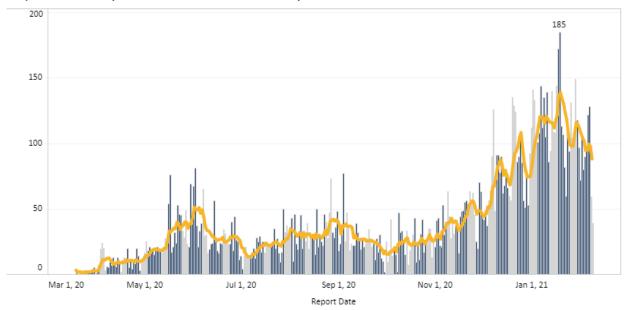
Females still bear a higher proportion of cases in both districts, both cumulatively and in the last 4 weeks. Regarding the proportion of cases by age group 20-29 year olds continue to be in the lead in both districts, both cumulatively and in the last 4 weeks. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico in the last 4 weeks the proportion of cases for which race/ethnicity is unreported surpases any other group (35.5%), followed by cases among White individuals (29.4%). Cumulatively, the proportion of cases is also highest among White individuals. The proportion of cases for which race/ethnicity is unreported continues to grow in both districts with 31.9% unreported in Richmond and 35.5% in Richmond based on data from the past month.

3.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)

The report date corresponds to the date the case count was reported publicly. The report date does not have any equivalent variable in VEDSS, and cannot be directly linked to case-specific dates (e.g., event dates or lab report dates). Case counts by report date are estimated by subtracting the cumulative cases on the previous day from that of the current day. The 7-day moving average is a recurrent average of the number of cases for each 7-day data sequence.

Number of New Cases Reported^	7-Day Average Number of Daily New Cases Reported	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population	Total Number of New Cases per 100,000 Population within last 14 days
39	88	38.5	598.4

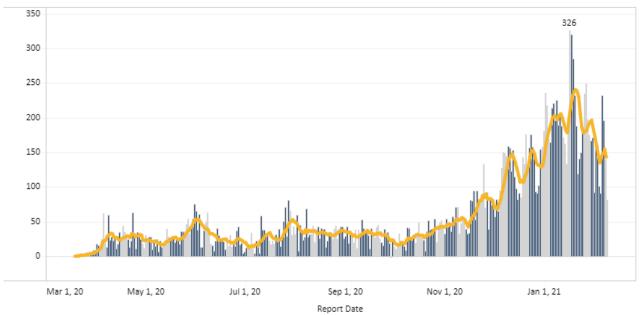
Report Date Daily Cases Counts - Richmond City



• In Richmond, the 7-day average number of daily new cases reported this week appears to be decreasing. A total of 39 new cases were reported on February 8, 2021, with a 7-day average of 38.5 new daily cases per 100,000 population, down from 105 new cases and a 7-day average of 47.0 a week ago.



Report Date Daily Cases Counts - Henrico



• In Henrico, new cases reported per day also appear to be decreasing. A total of 81 new cases were reported on February 8 with a 7-day average of 43.5 daily cases per 100,000 population, down from 161 new cases and a 7-day average of 52.6 a week ago.

3.3 CASES BY SEX BY COUNTY

All percentages are based on overall case distribution, rather than the proportion of known cases for each measure, and therefore may not correspond directly with VDH percentages.

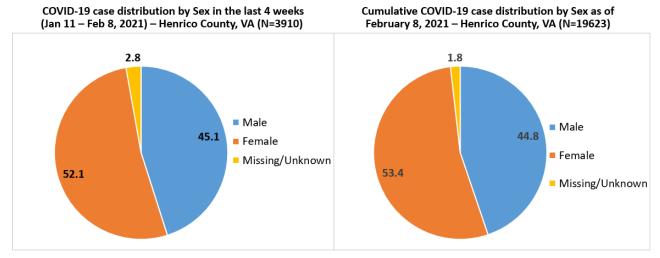
COVID-19 case distribution by Sex in the last 4 weeks (Jan 11 – Feb 8, 2021) – Richmond City, VA (N=2320)

Male
Female
Missing/Unknown

State of the last 4 weeks (Jan 11 – Feb 8, 2021) – Richmond City, VA (N=13465)

Male
Female
State of February 8, 2021 – Richmond City, VA (N=13465)

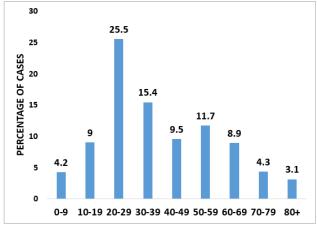
• In Richmond, females comprise a higher proportion of cases relative to males in the last 4 weeks (51.9% vs 45.1%) as well as cumulatively (52.3% vs 45.9%).



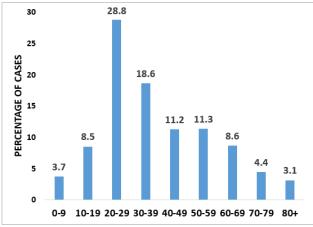
■ In Henrico, females also comprise a much higher proportion of cases relative to males in the last 4 weeks (52.1% vs 45.1%) and cumulatively (53.4% vs 44.8%).

3.4 CASES BY AGE GROUP BY COUNTY

COVID-19 case distribution by Age group in the last 4 weeks (Jan 11 - Feb 8, 2021) - Richmond City, VA (N=2320)



Cumulative COVID-19 case distribution by Age group as of February 8, 2021 – Richmond City, VA (N=13465)

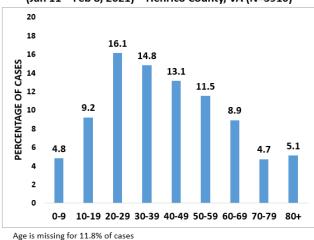


Age is missing for 8.3% of cases

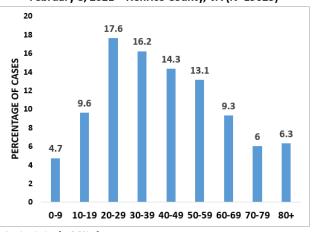
Age is missing for 1.9% of cases

In Richmond, individuals aged 20-29 (25.5%) still comprise the overwhelming majority of cases in the last four weeks, followed by individuals aged 30-39 years (15.4%) and 50-59 years (11.7%).

COVID-19 case distribution by Age group in the last 4 weeks (Jan 11 - Feb 8, 2021) - Henrico County, VA (N=3910)



Cumulative COVID-19 case distribution by Age group as of February 8, 2021 – Henrico County, VA (N=19623)

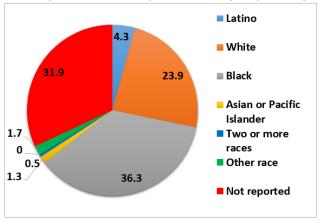


Age is missing for 2.9% of cases

In Henrico, individuals aged 20-29 (16.1%) also comprise the majority of cases in the last four weeks but followed more closely by individuals aged 30-39 years (14.8%), 40-49 years (13.1%) and 50-59 years (11.5%), as case burdens are somewhat more evenly distributed across multiple age groups.

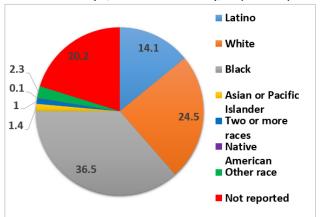
3.5 cases and population proportions by race and ethnicity by county

COVID-19 case distribution by Race and ethnicity in the last 4 weeks (Jan 11 – Feb 8, 2021) – Richmond City, VA (N=13465)



*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity
*Cases among Native Americans are suppressed (counts < 5)

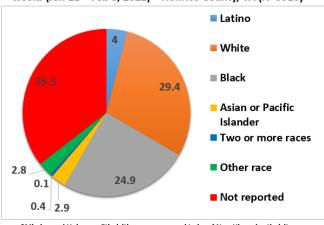
Cumulative COVID-19 case distribution by Race and ethnicity as of February 8, 2021 – Richmond City, VA (N=13465)



*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

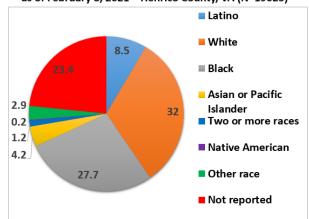
In Richmond, the proportion of cases among Black individuals (36.3%) over the last 4 weeks constitutes the majority of cases, followed by White individuals (23.9%). The case burden for Latino individuals is much lower over the last four weeks compared to the cumulative proportion of cases, but they continue to constitute the third largest proportion of cases.

COVID-19 case distribution by Race and ethnicity in the last 4 weeks (Jan 11 – Feb 8, 2021) – Henrico County, VA (N=3910)



*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity
*Cases among Native Americans are suppressed (counts < 5)

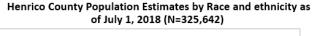
Cumulative COVID-19 case distribution by Race and ethnicity as of February 8, 2021 – Henrico County, VA (N=19623)

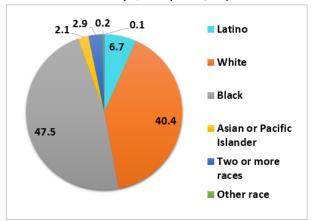


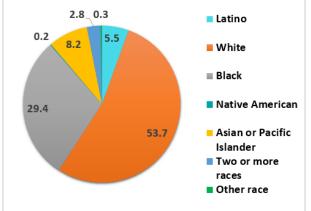
*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

■ In Henrico over the last 4 weeks, White individuals comprise the highest proportion of cases (29.4%), followed by Black individuals (24.9%). Latino individuals constitute a relative minority of cases over the same period and their case burden is notably lower compared to the cumulative proportion of cases.

Richmond City Population Estimates by Race and ethnicity as of July 1, 2018 (N=223,787)







*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

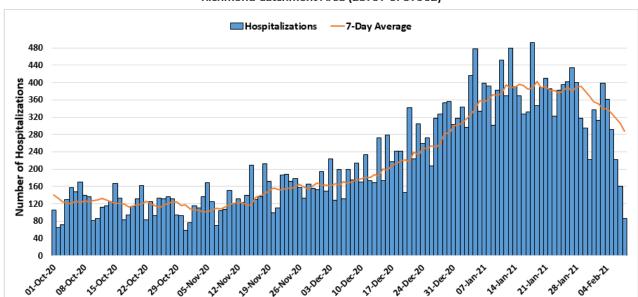
4.0 COVID-19 HOSPITALIZATIONS

4.1 SUMMARY OF HOSPITALIZATIONS

VEDSS data suggest that hospitalizations among Richmond patients are declining overall, though hospitalizations have fluctuated since November and the data may be impacted by reporting lags. Hospitalizations among residents of Henrico also appear to be declining overall (see VDH Dashboard for additional trend data). Looking more broadly at the 11 hospitals that comprise the Richmond catchment area, data show plateaus in total hospitalizations, ICU hospitalizations. Ventilator use has fluctuated throughout the month of January. As summarized at the beginning of this report, 10 out of 11 hospitals are operating at a normal clinical status.

Please note: hospitalizations by subgroup (sex, age, and race) will be reported on a monthly basis moving forward.

4.2 HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF FEB 8, 2021

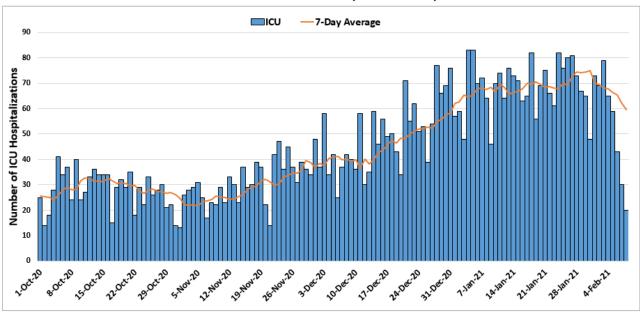


Total Daily COVID-19 Hospitalizations, October 1st , 2020 – February 8th, 2021 Richmond Catchment Area (28797 of 57962)

Data from the 11 hospitals included in this analysis suggests a recent decrease in overall
hospitalizations, following a noticeable increase throughout the month of December and plateau
during the month of January.

^{*} Data points from March until September 30th are excluded to allow for clarity in trends/patterns

4.3 ICU HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF FEB 8, 2021

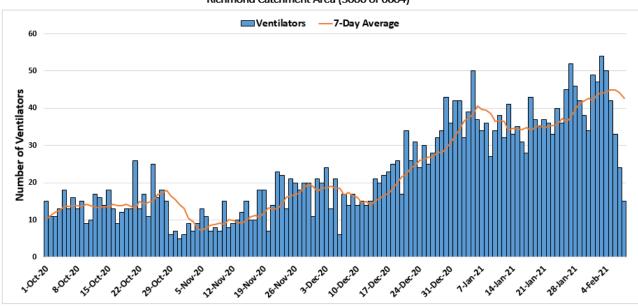


Total Daily COVID-19 ICU Hospitalizations, October 1st , 2020 – February 8th , 2021 Richmond Catchment Area (5862 of 13833)

• Following a recent plateau and mild fluctuations throughout January, ICU hospitalizations seem to be decreasing.

^{*} Data points from March until September 30th are excluded to allow for clarity in trends/patterns

4.4 VENTILATOR UTILIZATIONS (PATIENTS ON VENTILATORS) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF FEB 8, 2021



Total Daily COVID-19 Ventilator Utilizations, October 1st , 2020 – February 8th , 2021 Richmond Catchment Area (3006 of 6604)

• Ventilator utilization fluctuated throughout December, and despite peaks towards the end of January, appears to be reaching a plateau, and potential decrease.

5.0 COVID-19 FATALITIES

5.1 SUMMARY OF FATALITIES

Please note: deaths by subgroup (sex, age, and race) will be reported on a monthly basis moving forward.

6.0 VACCINATION

6.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are currently in Phase 1B of vaccination. Eligible people include healthcare workers, people living and working in long-term care facilities, police, school staff (K-12), childcare workers, and people over the age of 65.

As of Feb 8, 2021, 127,742 doses have been administered in the region, which includes Richmond, Henrico, Chickhominy, and Chesterfield Health Districts. The majority of vaccine recipients in both districts have been female. In Richmond the majority of vaccines have been given to people 30-39 years old. In Henrico the majority of vaccines have been given to people 50-59, closely followed by 30-39 years olds, though these numbers represent counts, rather than rates. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of recipients' race/ethnicity is unreported.

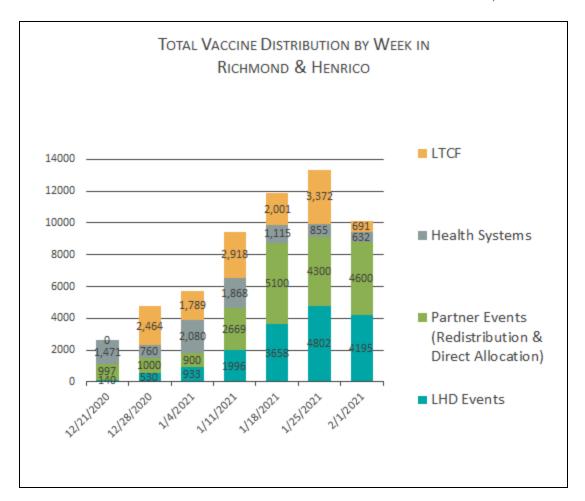
^{*} Data points from March until September 30th are excluded to allow for clarity in trends/patterns

6.2 VACCINATIONS BY LOCALITY AS OF FEB 8, 2021 - SOURCE: VDH. VIRGINIA. GOV

HEALTH DISTRICT	LOCALITY	POPULATION	DOSES ADMINISTERED	PEOPLE FULLY VACCINATED
Chesterfield	Chesterfield	352,802	38,581	6,309
	Colonial Heights	17,428	2,067	323
	Powhatan	28,815	2,888	432
Chickahominy	Charles City	6,963	648	50
	Goochland	23,753	2,919	398
	Hanover	107,766	14,176	2,355
	New Kent	23,091	2,951	397
Henrico	Henrico	330,818	44,853	7,794
Richmond	Richmond City	226,622	18,659	3,720
	Total	1,118,058	127,742	21,778

As of February 8, 2021, **127,742** doses of the vaccine have been administered in the region, which has a population of **1,118,058**. **1.94%** of the region's population has been fully vaccinated. We have set a goal of vaccinating 75% of the population to reach herd immunity. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart.

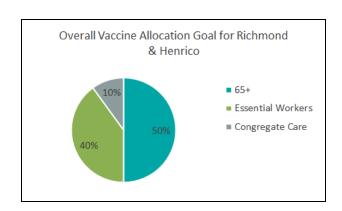
6.5 WEEKLY TOTAL VACCINATIONS OVER TIME FOR RICHMOND AND HENRICO - SOURCE: INTERNAL TRACKING, VIIS

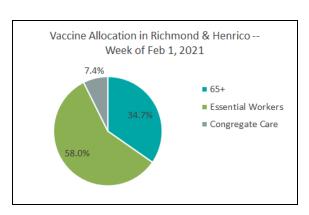


^{*}New health system totals reflect the Richmond hospital catchment area, which includes VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center. VA Medical Center is included in the COVID-19 hospitalization section of this report but vaccination data for this hospital is not yet available in VIIS.

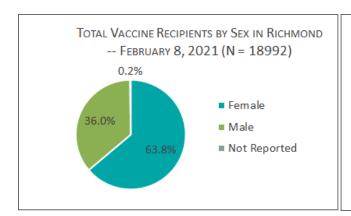
6.6 VACCINE DISTRIBUTION BY ELIGIBLE POPULATION IN RICHMOND & HENRICO - SOURCE: INTERNAL TRACKING

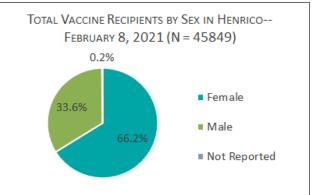
The following charts reflect RCHD/HCHD's goal for vaccine distribution and the actual distribution of vaccine among eligible priority populations in the past week.

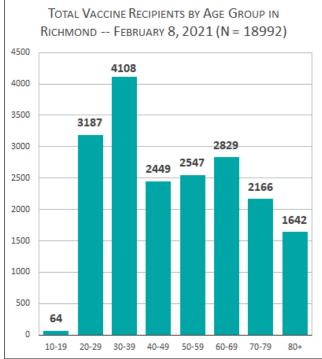


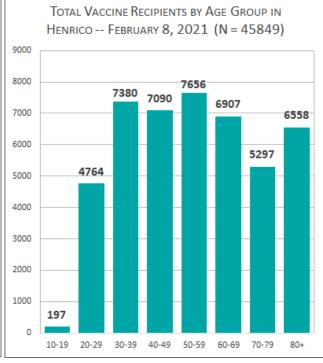


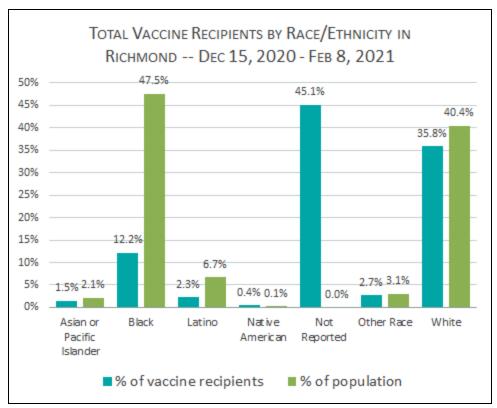
6.7 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS

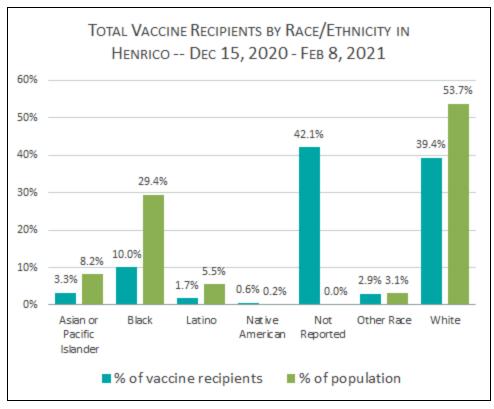












7.0 APPENDIX

7.1 CENSUS POPULATION ESTIMATES BY AGE AND RACE--RICHMOND CITY AND HENRICO COUNTY

Richmond City Population Estimates by Age and Race, as of July 1, 2018 (N=228,783)

Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER
0-9	3807	6375	13310	1232
10-19	2282	6587	13047	1554
20-29	3417	21968	18657	3146
30-39	2817	19613	14235	1897
40-49	1901	10191	10525	831
50-59	1129	10805	14747	690
60-69	525	10589	13292	574
70-79	218	5457	5866	271
80+	79	3599	3369	181

Henrico County Population Estimates by Age and Race, as of July 1, 2018 (N=329,261)

Age group (Years)	LATINO	NH WHITE	NH BLACK	NH OTHER
0-9	3764	17467	11946	6531
10-19	3464	18739	13872	5470
20-29	2870	19249	15019	5142
30-39	3360	22298	13542	7601
40-49	2608	22194	12532	5766
50-59	1696	25701	13509	3338
60-69	819	23639	10596	2368
70-79	391	14553	5349	1147
80+	174	9618	2487	442